**BRUHAT BANGALORE MAHANAGARA PALIKE**

**YELAHANKA ZONE**

***NAME OF WORK:-*** ***Detailed Estimate for the Improvements to Size stone masonry (SSM) Drains from Amruthahalli Govt. School to Eshwara temple, Amruthalli in ward no. 07 Byataryanapura.***

| Sl No | Description of work | Unit | No | Length | Breadth | Depth | ESTIMATED COST Quantity | Rate in Rs | 2700000.00 Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB M200-15.1: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. Iii) dismantling stone masonry, a rubble stone masonry in lime mortar, | | | | | | cum | | |
| | (P.No.148, I.No.18.27 of PW,P&IWTD S.R 2013-14) | | | | | | | | |
| | Amruthahalli Govt. school to haralikatte | | 2 | 8 | 0.60 | 0.40 | 3.84 | | |
| | | | 1 | 33 | 2.10 | 1.00 | 69.30 | | |
| | | | | | | | **73.14** | 200.88 | **14692.00** |
| | Basic Rate Rs. | 186.00 | | | | | | | |
| | Add 8% A.W Rs. | 14.88 | | | | | | | |
| | **Total Rate Rs.** | **200.88** | | | | | | | |
| 2 | KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, | | | | | | cum | | |
| | (P.No.5, I.No. 2.3 of PW,P&IWTD S.R 2013-14) | | | | | | | | |
| | | | 1 | 20.00 | 0.60 | 0.30 | 3.60 | | |
| | | | 1 | 75.00 | 0.60 | 0.60 | 27.00 | | |
| | | | 1 | 33.00 | 2.10 | 1.00 | 69.30 | | |
| | | | | | | | **99.90** | 151.74 | **15159.00** |
| | Basic Rate Rs. | 140.50 | | | | | | | |
| | Add 8% A.W Rs. | 11.24 | | | | | | | |
| | **Total Rate Rs.** | **151.74** | | | | | | | |
| 3 | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. | | | | | | cum | | |
| | (P.No.12, I.No.4.2 of PW,P&IWTD SR 2013-14.) | | | | | | | | |
| | | | 1 | 20.00 | 2.10 | 0.15 | **6.30** | | |
| | | | 1 | 75.00 | 2.10 | 0.15 | **23.63** | | |
| | | | 1 | 33.00 | 2.00 | 0.15 | **9.90** | | |
| | Basic Rate Rs. | 4164.00 | | | | | **39.83** | 4497.12 | **179098.00** |
| | Add 8% A.W Rs. | 333.12 | | | | | | | |
| | **Total Rate Rs.** | **4497.12** | | | | | | | |
| 4 | KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. | | | | | | Cum | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | (P.No.25, I.No.5.6 of PW,P&IWTD S.R 2013-14) | | | | | | | | |
| | | | 2 | 20.00 | 0.75 | 0.40 | 12.00 | | |
| | | | 2 | 75.00 | 0.75 | 0.40 | 45.00 | | |
| | | | 2 | 33.00 | 0.75 | 0.60 | 29.70 | | |
| | | | | | | | **86.70** | 3549.96 | **307782.00** |
| | Basic Rate Rs. | 3287.00 | | | | | | | |
| | Add 8% A.W Rs. | 262.96 | | | | | | | |
| | **Total Rate Rs.** | **3549.96** | | | | | | | |
| 5 | KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P. No. 122 I No. 15.30) | | | | | | **cum** | | |
| | | | 2 | 20.00 | | 1.20 | 48.00 | | |
| | | | 2 | 75.00 | | 1.20 | 180.00 | | |
| | | | 2 | 80.00 | | 1.20 | 192.00 | | |
| | | | | | | | **420.00** | **79.92** | **33566.00** |
| | Basic Rate Rs. | 74.00 | | | | | | | |
| | Add 8% A.W Rs. | 5.92 | | | | | | | |
| | Total Rate Rs. | 79.92 | | | | | | | |
| 6 | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. | | | | | | **Sqm** | | |
| | | | 1 | 20.00 | 1.20 | | 24.00 | | |
| | | | 1 | 75.00 | 1.20 | | 90.00 | | |
| | | | 2 | 20.00 | 0.30 | | 12.00 | | |
| | | | 2 | 75.00 | 0.30 | | 45.00 | | |
| | | | 1 | 33.00 | 1.20 | | 39.60 | | |
| | | | 2 | 33.00 | 0.30 | | 19.80 | | |
| | | | 2 | 33.00 | 0.60 | | 39.60 | | |
| | | | | | | | **270.00** | **224.64** | 60653.00 |
| | **Basic Rate** | **208.00** | | | | | | | |
| | **Area Weightage @ 8%** | **16.64** | | | | | | | |
| | **Total** | **224.64** | | | | | | | |
| 7 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. (P. 19, Item No. 4.49.1) | | | | | | **Cum** | | |
| | | | 1 | 20.00 | 2.00 | 0.30 | 12.00 | | |
| | | | 1 | 75.00 | 2.00 | 0.30 | 45.00 | | |
| | | | 1 | 20.00 | 1.00 | 0.10 | 2.00 | | |
| | | | 1 | 75.00 | 1.00 | 0.10 | 7.50 | | |
| | | | 1 | 33.00 | 2.00 | 0.30 | 19.80 | | |
| | | | 1 | 33.00 | 2.00 | 0.30 | 19.80 | | |
| | Basic Rate Rs. | 5989.00 | | | | | **106.10** | **6468.12** | **686268.00** |
| | Add 8% A.W Rs. | 479.12 | | | | | | | |
| | **Total Rate Rs.** | **6468.12** | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 8 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 19, Item No. 4.46) | | | | | | **Sqm** | | |
| | | | 1.30 | 114.3 | | | 148.59 | | |
| | | | | | | | **148.59** | 7380.72 | **1096701.00** |
| | Basic Rate Rs. | 6834.00 | | | | | | | |
| | Add 8% A.W Rs. | 546.72 | | | | | | | |
| | **Total Rate Rs.** | **7380.72** | | | | | | | |
| 18 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km ( Page No.141) | | | | | | | Cum | |
| | Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 | | | | | | | | |
| | Average weight of earth 1.28 tonne | | Qty vide Item No.11 | | | -- | **76.00** | 72.71 | **5526.00** |
| | Basic Tate Lead Charges upto 2.00 Kms | 62.20 | | | | | | | |
| | 2x1.28x2 = | 5.12 | | | | | | | |
| | Loading and unloading | 67.32 | | | | | | | |
| | Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00 | 5.39 | | | | | | | |
| | | **72.71** | | | | | | | |
| | Total | | | | | | | | **2399445** |
| 19 | KRIDL CHARGES 11% | | | | | | | | **263939** |
| 20 | Third party inspection charges 1% | | | | | | | | **23994** |
| 21 | Miscelleneous & Rounding off | | | | | | | | **12621.60** |
| | | | | | | | **Grand Toatl Rs.** | | **2700000.00** |

**(Rupees:- Twenty Seven Lakhs Only)**

**CERTIFICATE:**

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2013-2014.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs. 27.00 lacs
Rupees Twenty Seven lacks only
Under 007-14-000112
Registered as EE ( ) No. 9
Subject to conditions contained in
enclosed memo EE ( ) No. /9/....
Dt Estimate Administratively Sanctioned
Addl Com (Yz) 938/13-14
dated 24/3/2014 Rs 27.00 lacs

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction for 27.00 Lakhs
Twenty Seven lakhs
007-14-000113.
SE/YNK/ 01 /13-14.
Registered to cont... 19/05/2014.
No:.....
AEUE
SE